Sequence Listing.txt SEQUENCE LISTING

⁷ 2006

- <110> Crusade Laboratories Limited
 Sloane-Kettering Institute for Cancer Research
 Brown, Susanne M
 Dunn, Paul
 Singh, Bhuvanesh
 Ganly, Ian
- <120> Mutant Viruses
- <130> 6947-75757-01
- <150> PCT/GB2004/004908
- <151> 2004-11-17
- <150> GB 0326798.6
- <151> 2003-11-17
- <150> US 60/541,308
- <151> 2004-02-03
- <160> 6
- <170> PatentIn version 3.1
- <210> 1
- <211> 918
- <212> DNA
- <213> Homo sapiens

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Sequence Listing.txt

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					tca Ser											105
atc Ile	ttc Phe	aca Thr	caa Gln 20	tct Ser	agt Ser	gaa Glu	aaa Lys	aca Thr 25	gca Ala	gta Val	agt Ser	tgt Cys	ctt Leu 30	tct Ser	caa Gln	153
aat Asn	gac Asp	tgg Trp 35	aag Lys	tta Leu	gat Asp	gtt Val	gca Ala 40	aca Thr	gat Asp	aat Asn	ttt Phe	ttc Phe 45	caa Gln	aat Asn	cct Pro	201
					gag Glu											249
					aat Asn 70											297
att Ile	gga Gly	ata Ile	gat Asp	ggc Gly 85	ata Ile	cag Gln	cag Gln	ttc Phe	tgt Cys 90	gat Asp	gac Asp	ctg Leu	gca Ala	ctc Leu 95	gat Asp	345
cca Pro	gcc Ala	agc Ser	att Ile 100	agt Ser	gtg Val	ttg Leu	att Ile	att Ile 105	gca Ala	tgg Trp	aag Lys	ttc Phe	aga Arg 110	gca Ala	gca Ala	393
aca Thr	cag Gln	tgc Cys 115	gag Glu	ttc Phe	tcc Ser	aaa Lys	cag Gln 120	gag Glu	ttc Phe	atg Met	gat Asp	ggc Gly 125	atg Met	aca Thr	gaa Glu	441
tta Leu	gga Gly 130	tgt Cys	gac Asp	agc Ser	ata Ile	gaa Glu 135	aaa Lys	cta Leu	aag Lys	gcc Ala	cag Gln 140	ata Ile	ccc Pro	aag Lys	atg Met	489
gaa Glu 145	caa Gln	gaa Glu	ttg Leu	aaa Lys	gaa Glu 150	cca Pro	gga Gly	cga Arg	ttt Phe	aag Lys 155	gat Asp	ttt Phe	tac Tyr	cag Gln	ttt Phe 160	537
act Thr	ttt Phe	aat Asn	ttt Phe	gca Ala 165	aag Lys	aat Asn	cca Pro	gga Gly	caa Gln 170	aaa Lys	gga Gly	tta Leu	gat Asp	cta Leu 175	gaa Glu	585
atg Met	gcc Ala	att Ile	gcc Ala 180	tac Tyr	tgg Trp	aac Asn	tta Leu	gtg Val 185	ctt Leu	aat Asn	gga Gly	aga Arg	ttt Phe 190	aaa Lys	ttc Phe	633
tta Leu	gac Asp	tta Leu 195	tgg Trp	aat Asn	aaa Lys	ttt Phe	ttg Leu 200	ttg Leu	gaa Glu	cat His	cat His	aaa Lys 205	cga Arg	tca Ser	ata Ile	681
cca	aaa	gac	act	tgg	aat	ctt	ctt	tta		ttc Page		acg	atg	att	gca	729

Sequence Listing.txt
Pro Lys Asp Thr Trp Asn Leu Leu Leu Asp Phe Ser Thr Met Ile Ala
210 215 220 gat gac atg tct aat tat gat gaa gaa gga gca tgg cct gtt ctt att Asp Asp Met Ser Asn Tyr Asp Glu Glu Gly Ala Trp Pro Val Leu Ile 225 230 235 777 gat gac ttt gtg gaa ttt gca cgc cct caa att gct ggg aca aaa agt Asp Asp Phe Val Glu Phe Ala Arg Pro Gln Ile Ala Gly Thr Lys Ser 245 250 255 825 877 aca aca gtg tag cactaaagga accttctaga atgtacatag tctgtacaat Thr Thr Val aaatacaaca gaaaattgca cagtcaattt ctgctggctg g 918 2 <210> 259 <211> <212> **PRT** <213> Homo sapiens <400> 2 Met Asn Lys Leu Lys Ser Ser Gln Lys Asp Lys Val Arg Gln Phe Met
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Glu Gln Glu Leu Lys Glu Pro Gly Arg Phe Lys Asp Phe Tyr Gln Phe 145 150 155 160

135

Thr Phe Asn Phe Ala Lys Asn Pro Gly Gln Lys Gly Leu Asp Leu Glu 165 170 175

Met Ala Ile Ala Tyr Trp Asn Leu Val Leu Asn Gly Arg Phe Lys Phe 180 185 190

Leu Asp Leu Trp Asn Lys Phe Leu Leu Glu His His Lys Arg Ser Ile 195 200 205

Pro Lys Asp Thr Trp Asn Leu Leu Leu Asp Phe Ser Thr Met Ile Ala 210 215 220

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Arg Gln Phe Met Ile Phe Thr Gln Ser Ser Glu Lys Thr Ala Val Ser
15 20 25

tgt ctt tct caa aat gac tgg aag tta gat gtt gca aca gat aat ttt 147 Page 4

Cys	Leu 30	Ser	Gln	Asn	Asp	Trp 35	Lys	Sequ Leu	ience Asp	val	sting Ala 40	j.txt Thr	Asp	Asn	Phe	
ttc Phe 45	caa Gln	aat Asn	cct Pro	gaa Glu	ctt Leu 50	tat Tyr	ata Ile	cga Arg	gag Glu	agt Ser 55	gta Val	aaa Lys	gga Gly	tca Ser	ttg Leu 60	195
	agg Arg															243
gat Asp	gag Glu	aat Asn	aaa Lys 80	att Ile	gga Gly	ata Ile	gat Asp	ggc Gly 85	ata Ile	cag Gln	cag Gln	ttc Phe	tgt Cys 90	gat Asp	gac Asp	291
	gca Ala															339
ttc Phe	aga Arg 110	gca Ala	gca Ala	aca Thr	cag Gln	tgc Cys 115	gag Glu	ttc Phe	tcc Ser	aaa Lys	cag Gln 120	gag Glu	ttc Phe	atg Met	gat Asp	387
ggc Gly 125	atg Met	aca Thr	gaa Glu	tta Leu	gga Gly 130	tgt Cys	gac Asp	agc Ser	aca Thr	gaa Glu 135	aaa Lys	cta Leu	aag Lys	gcc Ala	cag Gln 140	435
	ccc Pro															483
ttt Phe	tac Tyr	cag Gln	ttt Phe 160	act Thr	ttt Phe	aat Asn	ttt Phe	gca Ala 165	aag Lys	aat Asn	cca Pro	gga Gly	caa Gln 170	aaa Lys	gga Gly	531
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aga Arg	ttt Phe 190	aga Arg	ctc Leu	tta Leu	gac Asp	tta Leu 195	tgg Trp	aat Asn	aaa Lys	ttt Phe	ttg Leu 200	ttg Leu	gaa Glu	cat His	cat His	627
aaa Lys 205	cga Arg	tca Ser	ata Ile	cca Pro	aaa Lys 210	gac Asp	act Thr	tgg Trp	aat Asn	ctt Leu 215	ctt Leu	tta Leu	gac Asp	ttc Phe	agt Ser 220	675
acg Thr	atg Met	att Ile	gca Ala	gat Asp 225	gac Asp	atg Met	tct Ser	aat Asn	tat Tyr 230	gat Asp	gaa Glu	gaa Glu	gga Gly	gca Ala 235	tgg Trp	723
cct Pro	gtt Val	ctt Leu	att Ile 240	gat Asp	gac Asp	ttt Phe	gtg Val	gaa Glu 245	ttt Phe	gca Ala	cgc Arg	cct Pro	caa Gln 250	att Ile	gct Ala	771
ggg Gly	aca Thr	aaa Lys 255	agt Ser	aca Thr	aca Thr	gtg Val	tag	cac [.]	taaa	gga a	acct [.]	tcta	ga a	tgta	catag	825
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Sequence Listing.txt

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<212> PRT

<213> Homo sapiens

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Asn Asp Trp Lys Leu Asp Val Ala Thr Asp Asn Phe Phe Gln Asn Pro 35 40 45

Glu Leu Tyr Ile Arg Glu Ser Val Lys Gly Ser Leu Asp Arg Lys Lys 50 60

Leu Glu Gln Leu Tyr Asn Arg Tyr Lys Asp Pro Gln Asp Glu Asn Lys 65 70 75 80

Ile Gly Ile Asp Gly Ile Gln Gln Phe Cys Asp Asp Leu Ala Leu Asp 85 90 95

Pro Ala Ser Ile Ser Val Leu Ile Ile Ala Trp Lys Phe Arg Ala Ala $100 \hspace{1.5cm} 105 \hspace{1.5cm} 110$

Thr Gln Cys Glu Phe Ser Lys Gln Glu Phe Met Asp Gly Met Thr Glu 115 120 125

Leu Gly Cys Asp Ser Thr Glu Lys Leu Lys Ala Gln Ile Pro Lys Met 130 135 140

Glu Gln Glu Leu Lys Glu Pro Gly Arg Phe Lys Asp Phe Tyr Gln Phe 145 150 155 160

Thr Phe Asn Phe Ala Lys Asn Pro Gly Gln Lys Gly Leu Asp Leu Glu 165 170 175

Met Ala Ile Ala Tyr Trp Asn Leu Val Leu Asn Gly Arg Phe Arg Leu 180 185 190

Leu Asp Leu Trp Asn Lys Phe Leu Leu Glu His His Lys Arg Ser Ile 195 200 205

Pro Ly	uc Asn	Thr	Trn	۸en	Lau	Lou	Sequ	ience	Pho	sting	J.tx1	t Mot	Tla	^]_	
	10	****	ρ	ASII	215	Leu	Leu	ASP	FIIC	220	1111	MEC	116	Ald	
Asp As 225	sp Met	Ser	Asn	Tyr 230	Asp	Glu	Glu	Gly	Ala 235	Trp	Pro	Val	Leu	Ile 240	
Asp As	sp Phe	Val	Glu 245	Phe	Ala	Arg	Pro	Gln 250	Ile	Ala	Gly	Thr	Lys 255	Ser	
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